



The Foundry:

A Foundry Social, High Voltage Indoor Karting building gets new spray foam roof

PROJECT INFORMATION

Project Year: 2019

Project Size: 42,000 sq. ft.

Project Location:
Medina, OH

Project Overview: Spray Polyurethane Foam Roof

Manufacturer Used:
Carlisle Roof Foam and Coatings

Built in 1871, The Foundry needed a sustainable roofing system to stop water from entering the building, while also keeping energy costs down.

The “new” Foundry is no short of high energy. It’s currently being used as two parts:

- 1) A Foundry Social which has games and activities
- 2) High Voltage Indoor Karting which features Italian Storm Series ProKarts that can reach speeds up to 50 MPH!

The roof is multi-level, multi-area and includes multiple substrate types, including TPO, smooth BUR and a combination of smooth BUR over TPO.

The roof also features vertical surfaces, sloped surfaces and low-sloped surfaces.



Final Scope of Work



Before



HVAC ducting encapsulated



Finished application



Roof is one monolithic layer

- Infrared inspection performed to identify saturated areas
- Removal and replacement of saturated areas
- Average of 1.5" spray foam
- 30 mil of silicone coating applied to two coats
- Embedded granules broadcasted into final coat of coating
- Custom metal detail hungover 8-in soffit and was 200+ feet long
- 100+ ft long HVAC ducting fully encapsulated
- R-value increased from R-1 to R-12
- 20 year full-system warranty granted